

## SALMONELLOSIS

Salmonellosis is a bacterial enteric infection caused by any of the serotypes of the genus *Salmonella* which infect animals and humans. The disease is characterized by sudden onset of headache, abdominal pain, diarrhea, nausea, and vomiting. Infection is transmitted by ingestion of contaminated food or liquids, from person to person by the fecal-oral route, and by contact with infected animals or contaminated animal products. There are over 2,000 recognized serotypes of *Salmonella* species.

### **Laboratory Criteria for Confirmation:**

?? Isolation of *Salmonella* spp. from a clinical sample.

### **Case Classification**

*Confirmed:* A case that is laboratory confirmed.

*Probable:* A clinically compatible case that is epidemiologically linked to a confirmed case.

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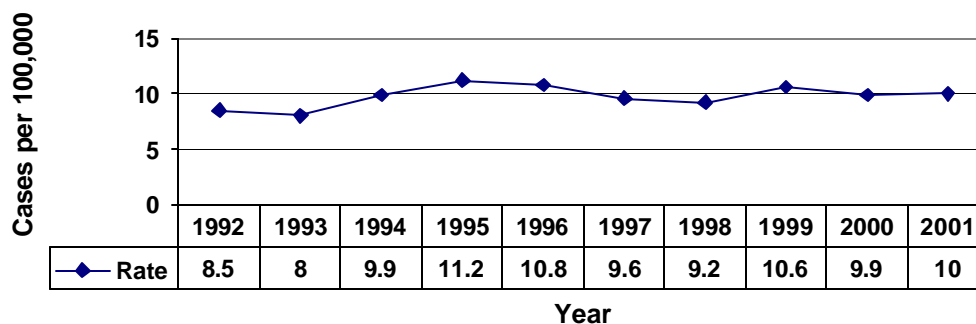
### **Epidemiology**

Kentucky 2001	Rate per 100,000	U.S. Rate (2000) per 100,000
Cases 406	10.0	14.51

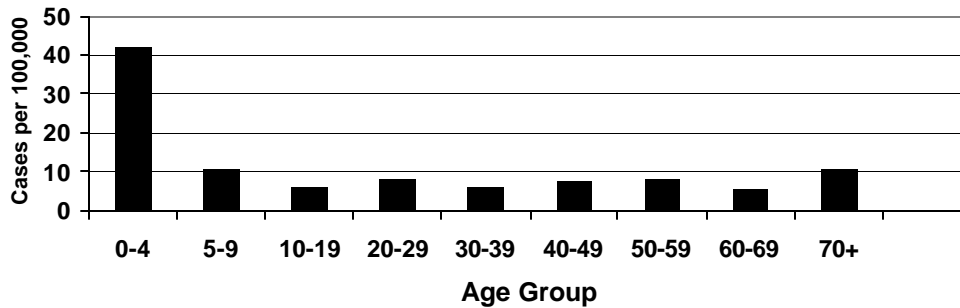
#### Cases by Gender

Female	211	10.2
Male	194	9.8

**Salmonellosis Incidence  
Kentucky, 1992-2001**

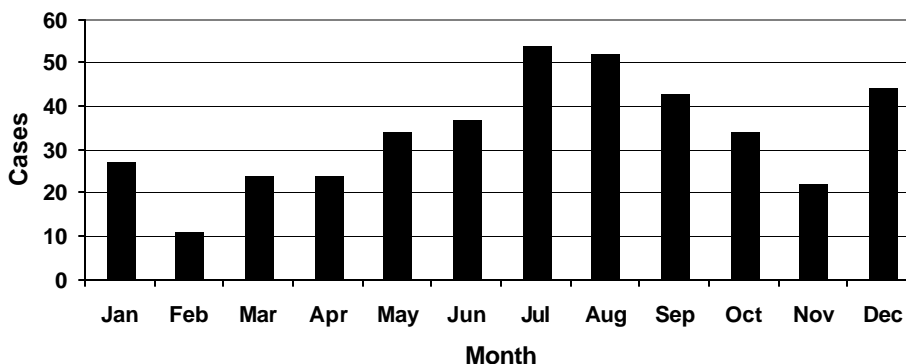


### Salmonellosis, Age-Specific Incidence Kentucky, 2001



As in previous years, the highest incidence occurred in children under 4 years of age, (42.1 cases per 100,000), followed by children in the 5-9 age group (10.8 cases per 100,000) and persons 70 years and older (10.6 cases per 100,000). In the 0-4 year group 62 of the 112 cases were in children less than 1 year of age.

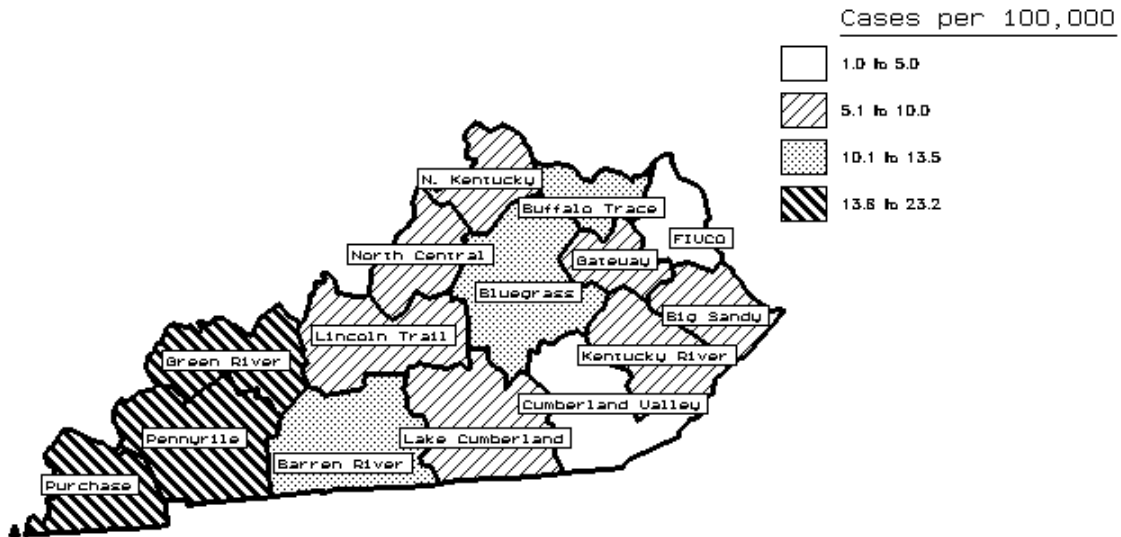
### Salmonellosis, Reported Cases by Month of Onset Kentucky, 2001



In 2001, the cases peaked in July, with the highest case counts from July through September and in December.

Eighteen cases were outbreak associated in 2001. Outbreak cases with confirmed serotypes included; *Salmonella javiana*, 3 cases, *Salmonella enteritidis*, 2 cases and *Salmonella heidelberg*, 7 cases.

### Salmonellosis by District, Kentucky Annual Incidence, 2001



District	Annual Incidence Rate per 100,000
Purchase	22.8
Pennyriple	19.4
Green River	23.2
Barren River	10.6
Lincoln Trail	6.6
North Central	7.5
Northern Kentucky	6.1
Buffalo Trace	10.9
Gateway	9.2
Fivco	3.7
Big Sandy	6.2
Kentucky River	5.8
Cumberland Valley	4.6
Lake Cumberland	9.3
Bluegrass	11.1